Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1201253

Luminaire Tested: GWC-SB1A-830-U-T4FT

Issue Date: 10/30/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201253
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/14/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1A-830-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPT
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4005 lumens
Efficiency:	N/A
Efficacy:	129.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

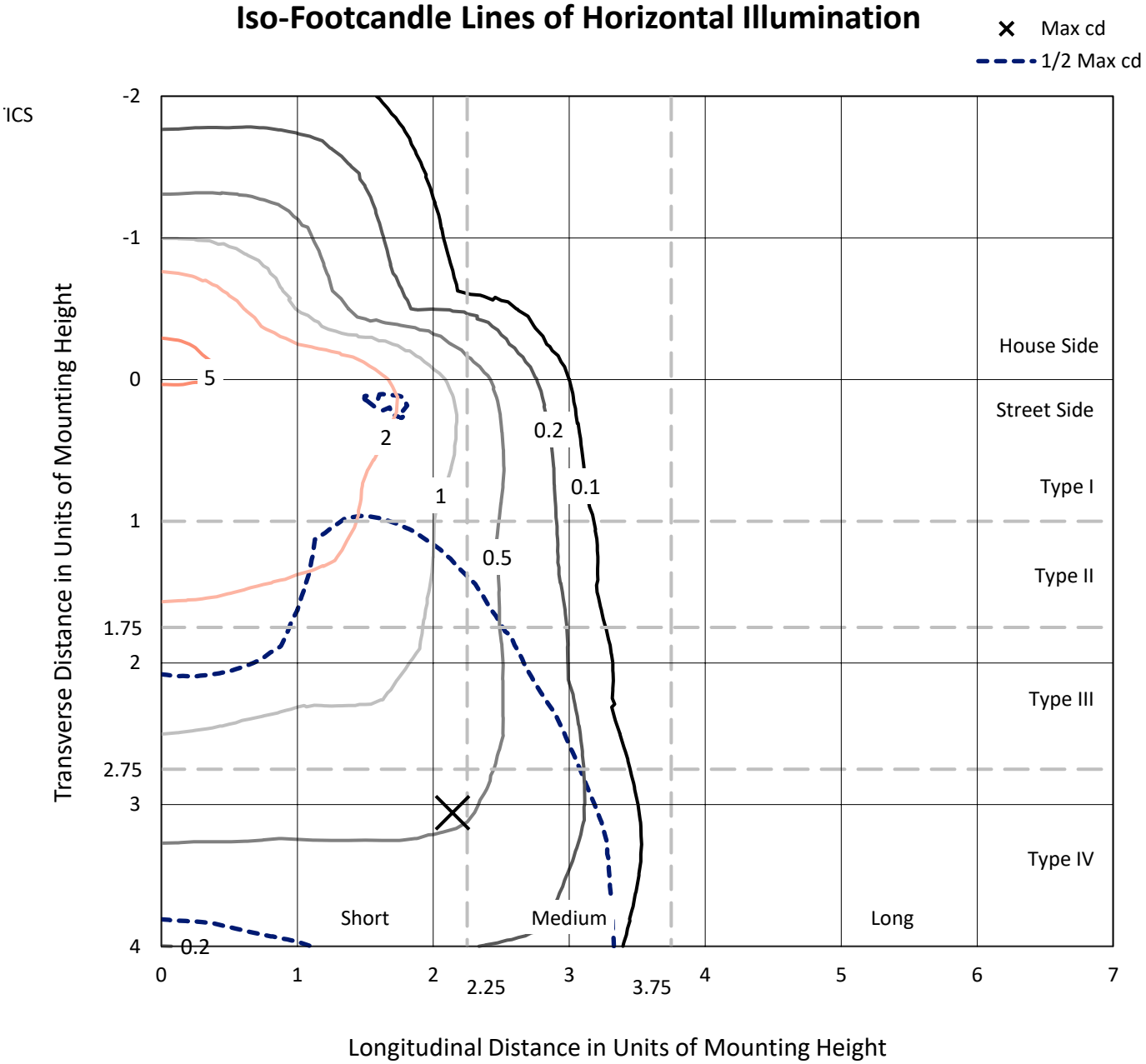


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REPORT NUMBER: P1201253
CATALOG NUMBER: GWC-SB1A-830-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination



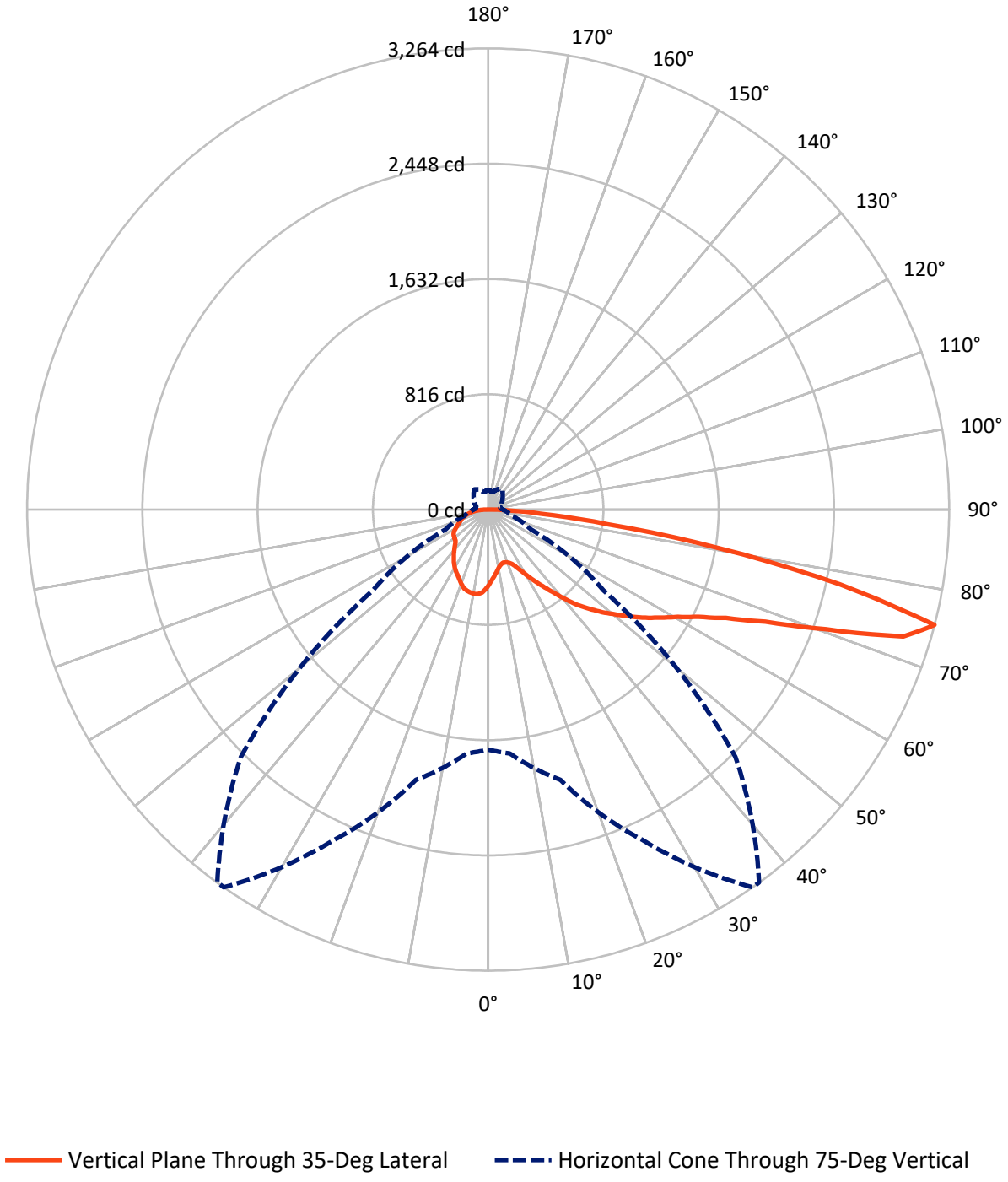
Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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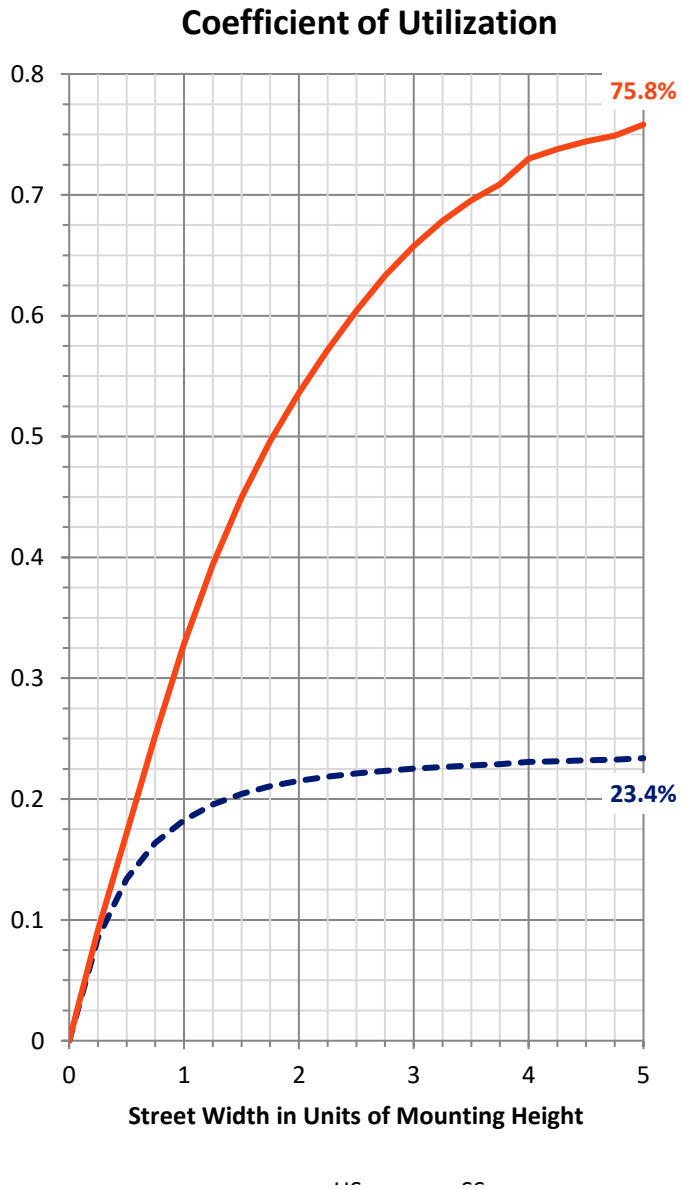
REPORT NUMBER: P1201253
CATALOG NUMBER: GWC-SB1A-830-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	953.1	0.0	953.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3051.9	0.0	3051.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	4005.0	0.0	4005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	1.3
10°-20°	145.8	3.6
20°-30°	244.8	6.1
30°-40°	380.4	9.5
40°-50°	564.6	14.1
50°-60°	779.5	19.5
60°-70°	945.6	23.6
70°-80°	781.5	19.5
80°-90°	112.4	2.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4005.0	100.0
0°-180°	4005.0	100.0



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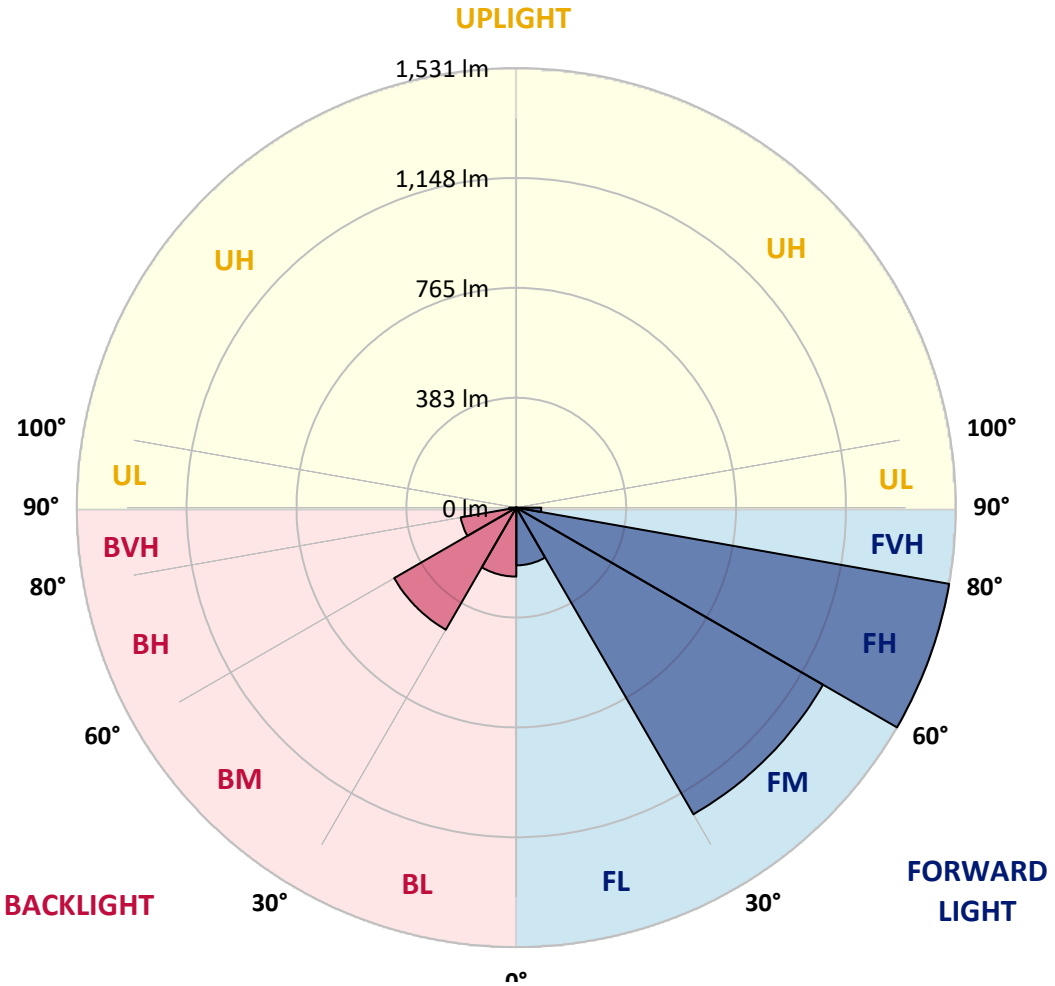
Scaled Data Report

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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	200.8	5.0			
FM	(30°-60°)	1233.3	30.8			
FH	(60°-80°)	1530.7	38.2			G1/1800
FVH	(80°-90°)	87.1	2.2			G1/100
BL	(0°-30°)	240.2	6.0	B1/500		
BM	(30°-60°)	491.1	12.3	B1/1000		
BH	(60°-80°)	196.5	4.9	B1/500		G1/500
BVH	(80°-90°)	25.3	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
2.5°	492.1	495.2	496.5	495.8	499.1	498.6	503.2	508.8	516.6	524.2	535.2
5°	454.2	457.5	460.3	462.9	469.2	471.1	478.3	489.1	503.4	517.9	536.1
7.5°	418.9	421.8	426.1	430.9	441.5	443.4	455.3	472.2	492.1	513.3	538.5
10°	390.1	393.0	397.5	402.9	416.1	418.5	433.7	456.2	482.2	509.0	541.1
12.5°	377.8	378.7	381.3	386.7	398.2	399.7	416.3	442.1	472.4	505.8	545.0
15°	377.2	378.9	379.1	381.9	391.4	392.1	407.5	433.0	466.4	505.1	550.8
17.5°	383.7	385.0	383.0	384.7	392.7	393.8	406.0	428.7	464.4	507.9	560.8
20°	401.0	402.1	396.2	393.8	399.7	400.5	412.4	431.5	466.4	513.8	574.4
22.5°	437.8	438.4	424.1	414.4	414.8	415.3	425.7	443.0	473.9	524.4	591.7
25°	495.2	494.7	472.0	453.2	442.3	439.9	446.9	461.6	486.7	538.5	614.0
27.5°	562.3	559.0	536.3	508.1	484.5	481.1	479.6	485.8	504.9	557.1	641.3
30°	638.1	635.0	610.6	573.7	541.1	535.4	521.1	517.9	532.0	582.4	679.2
32.5°	721.2	719.2	690.0	645.4	601.7	595.2	571.1	562.5	573.5	620.7	732.0
35°	790.9	789.2	764.9	719.0	665.5	657.5	633.1	623.3	629.0	669.9	801.1
37.5°	853.9	853.0	832.3	796.1	740.9	731.1	703.7	700.4	699.3	734.6	884.9
40°	912.4	910.2	888.6	869.5	828.6	819.7	795.5	792.6	784.4	814.3	979.7
42.5°	977.1	971.5	940.1	931.2	920.2	912.8	898.3	898.7	880.5	904.1	1080.2
45°	1029.9	1026.7	994.4	989.2	1001.1	998.1	1010.7	1013.9	978.6	998.3	1184.5
47.5°	1086.7	1083.6	1056.3	1052.7	1084.9	1085.8	1130.2	1131.3	1074.3	1096.2	1289.1
50°	1156.6	1152.3	1125.2	1129.7	1165.9	1169.1	1250.3	1243.0	1162.4	1195.6	1392.8
52.5°	1202.7	1205.3	1199.5	1206.8	1256.2	1259.2	1368.5	1349.7	1249.7	1293.6	1494.6
55°	1236.7	1241.9	1260.1	1277.0	1351.4	1354.5	1480.1	1451.3	1322.0	1384.6	1590.3
57.5°	1280.4	1273.1	1307.1	1340.0	1441.9	1450.0	1588.5	1549.1	1386.1	1462.9	1655.9
60°	1343.2	1338.0	1364.4	1413.2	1543.3	1556.0	1703.3	1637.2	1433.1	1525.1	1668.6
62.5°	1470.5	1457.5	1461.6	1504.7	1671.0	1687.9	1832.7	1714.1	1456.5	1549.3	1600.2
65°	1660.8	1638.5	1617.8	1647.6	1850.9	1867.6	1978.9	1774.5	1447.8	1502.4	1418.6
67.5°	1900.5	1878.4	1852.9	1881.0	2115.9	2129.1	2159.2	1808.5	1379.6	1321.4	1097.5
70°	2098.2	2090.0	2120.5	2236.3	2539.2	2539.6	2390.5	1780.3	1192.7	936.8	635.0
72.5°	2072.0	2067.0	2227.9	2586.0	3072.7	3061.2	2609.4	1567.3	803.5	422.6	237.9
75°	1699.8	1732.1	1981.3	2579.7	3264.3	3262.8	2475.3	996.4	332.3	175.2	123.0
77.5°	911.5	962.6	1286.3	1904.6	2548.3	2586.6	1740.3	348.6	142.7	112.2	85.1
80°	297.3	341.9	512.7	969.7	1655.9	1648.7	745.9	136.8	97.6	79.5	58.9
82.5°	126.2	131.4	229.1	457.9	849.8	836.6	237.5	78.6	68.6	54.3	36.4
85°	49.4	55.2	101.1	211.7	368.1	360.1	85.7	39.0	44.0	35.5	21.7
87.5°	16.2	19.7	36.2	72.5	114.5	110.4	21.0	13.4	19.1	16.2	7.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P1201253
CATALOG NUMBER: GWC-SB1A-830-U-T4FT

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7	533.7
2.5°	538.2	541.7	545.8	551.9	557.1	561.4	566.0	568.8	569.9	573.1	572.9
5°	542.1	549.7	559.9	569.9	579.6	585.4	590.6	593.2	595.6	597.3	597.8
7.5°	548.6	558.4	574.4	587.4	595.6	600.4	603.8	603.0	603.8	604.3	604.9
10°	554.3	567.9	587.0	599.3	605.6	605.8	604.9	601.9	600.4	600.6	601.0
12.5°	561.0	576.1	596.7	607.1	608.8	604.1	600.4	595.2	593.2	592.4	591.9
15°	570.1	587.4	607.3	611.2	606.9	600.8	594.5	586.1	581.8	578.3	579.4
17.5°	581.1	600.2	615.5	612.7	603.4	593.4	583.3	570.5	561.6	557.9	558.2
20°	596.5	613.6	621.8	609.5	595.4	580.2	562.9	547.3	539.1	535.4	535.0
22.5°	615.1	631.6	627.9	603.8	583.9	559.7	538.0	526.5	522.4	519.8	520.3
25°	637.4	651.5	632.2	595.6	565.1	532.4	515.7	512.0	510.1	508.1	508.1
27.5°	666.4	674.0	635.5	583.5	535.6	503.4	497.3	498.0	497.3	494.1	494.7
30°	704.7	703.2	638.5	563.8	501.9	477.2	477.6	480.4	480.9	478.7	479.8
32.5°	755.2	739.8	640.0	538.2	469.6	454.2	454.7	457.7	459.9	456.2	457.9
35°	816.2	782.5	637.6	506.2	444.7	432.4	429.1	430.0	430.6	427.2	429.6
37.5°	887.5	830.3	627.0	470.7	424.1	410.9	404.0	398.2	394.7	391.4	393.6
40°	965.6	882.5	607.5	436.0	401.2	388.2	377.8	366.8	355.1	350.7	352.7
42.5°	1047.5	936.2	583.9	402.9	374.8	364.2	353.1	337.1	319.6	310.7	311.8
45°	1132.3	991.2	560.8	370.2	347.7	343.2	330.4	311.1	292.1	280.8	279.9
47.5°	1215.5	1043.1	526.8	337.3	322.4	327.4	317.4	299.6	278.4	260.7	258.7
50°	1294.9	1091.9	471.1	304.0	301.8	322.6	313.1	287.5	263.3	240.5	238.6
52.5°	1373.7	1131.3	399.9	273.7	290.8	321.3	307.4	279.3	249.6	225.8	223.2
55°	1440.6	1151.6	331.3	247.7	274.7	310.3	300.7	269.6	230.4	205.0	202.9
57.5°	1478.8	1135.2	274.1	222.1	252.7	292.1	289.3	248.8	207.4	187.9	185.3
60°	1462.3	1068.5	227.3	199.8	231.7	272.4	269.3	228.2	189.9	171.5	168.9
62.5°	1371.6	941.4	190.3	180.4	212.6	252.2	249.4	212.4	176.5	158.7	155.9
65°	1188.8	765.8	161.5	164.1	193.3	228.0	232.1	199.2	165.8	148.5	145.7
67.5°	906.7	554.7	139.0	150.0	174.5	204.2	216.1	189.7	157.0	140.5	137.9
70°	516.8	315.0	119.9	136.4	157.8	182.1	203.7	182.1	147.4	133.8	132.1
72.5°	195.9	144.6	103.7	122.8	141.8	163.5	190.1	170.2	136.4	126.2	124.5
75°	*104.6*	*88.1*	*87.3*	*106.7*	*123.4*	*145.3*	*173.0*	*158.5*	*128.2*	*133.4*	*137.7*
77.5°	71.2	62.4	73.0	91.4	103.3	125.1	154.8	140.7	111.1	110.6	102.0
80°	49.4	44.2	59.3	73.6	79.9	105.2	135.1	120.8	90.5	84.4	80.8
82.5°	29.7	28.8	44.4	55.0	56.5	81.2	111.9	101.3	74.0	64.5	65.0
85°	16.2	17.1	28.4	32.3	32.9	56.7	87.7	78.4	56.9	47.8	48.3
87.5°	4.5	5.8	10.4	12.8	15.8	29.4	52.2	46.5	28.6	19.9	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

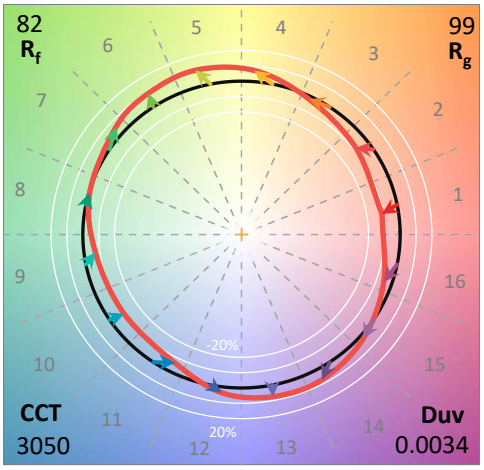
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

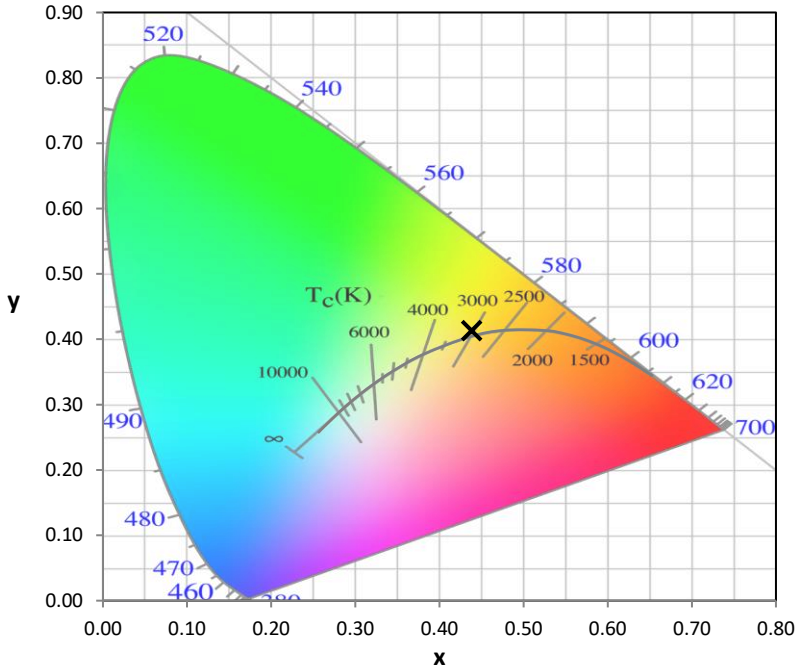
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

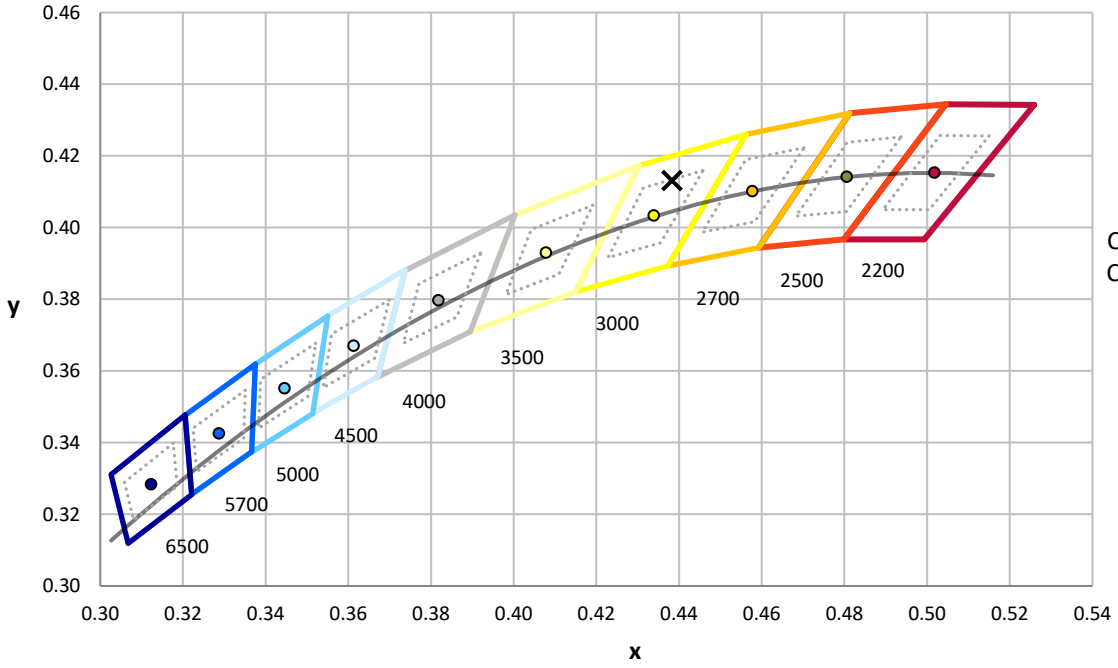
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles

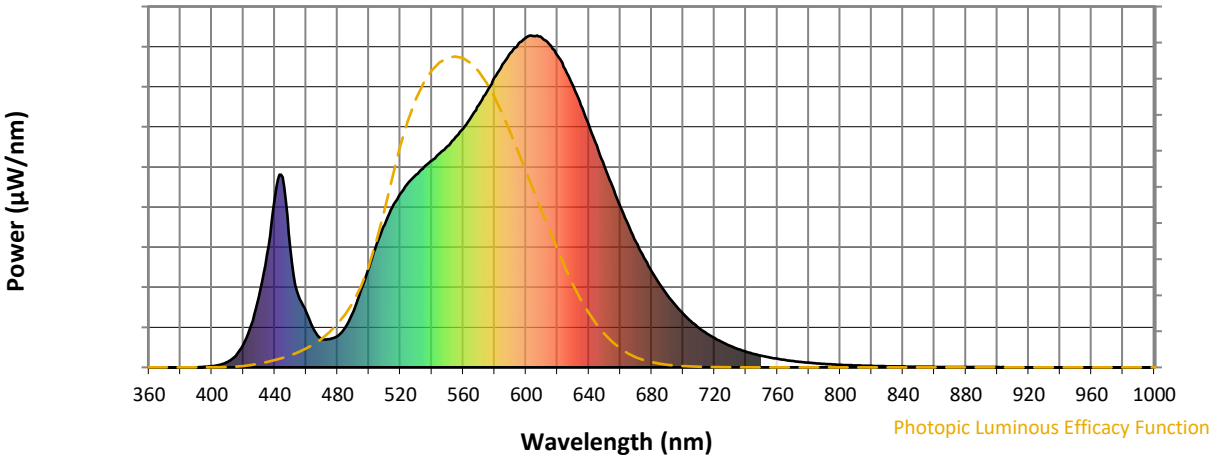


CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

Photopic Flux vs. Wavelength

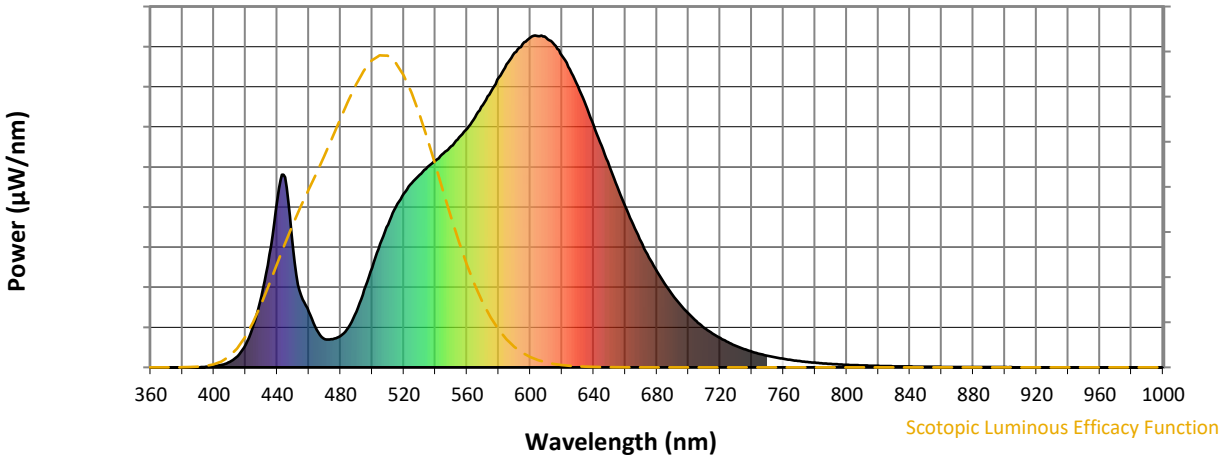


Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Scotopic Flux vs. Wavelength

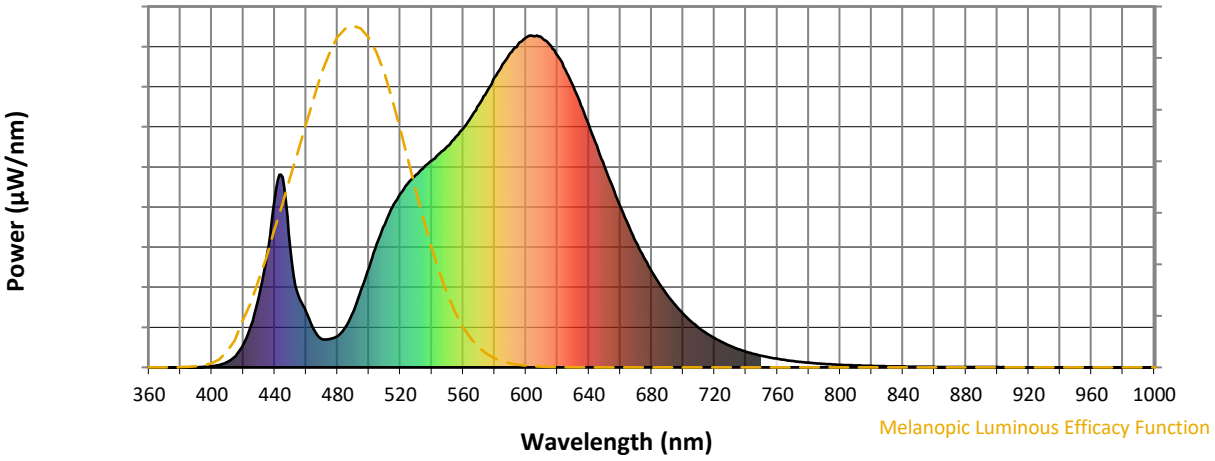


Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

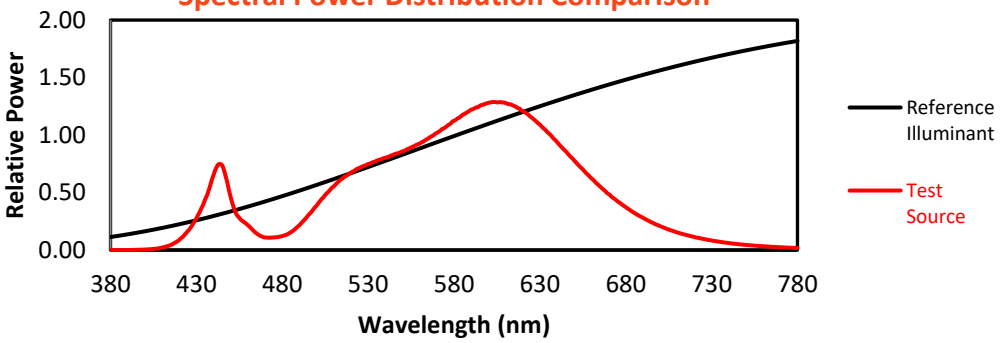
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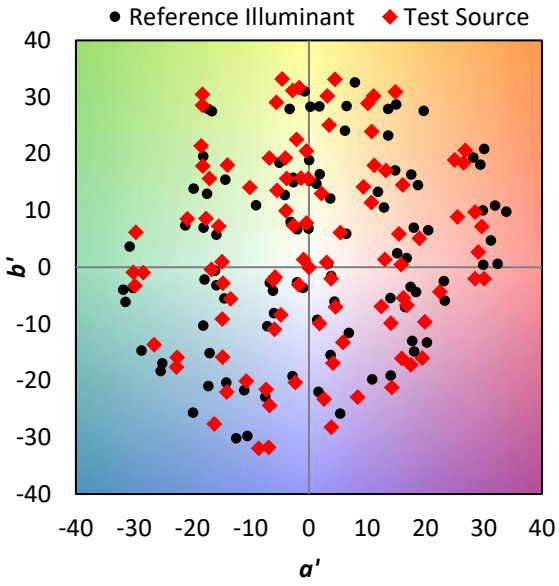
Summary

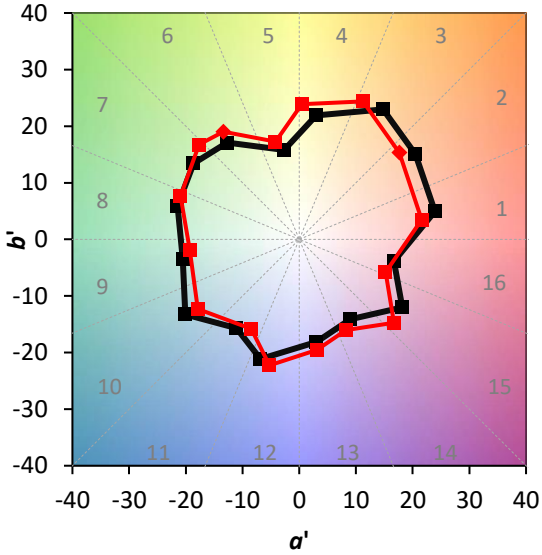
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

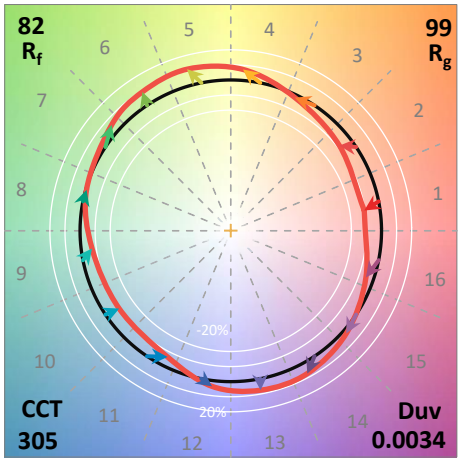
Spectral Power Distribution Comparison

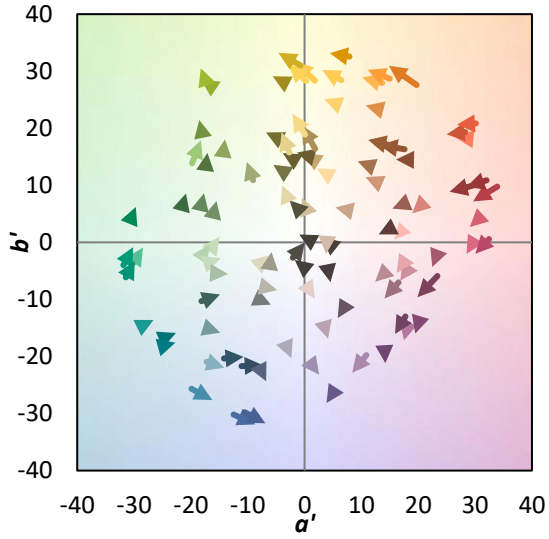


Color Vector Graphics







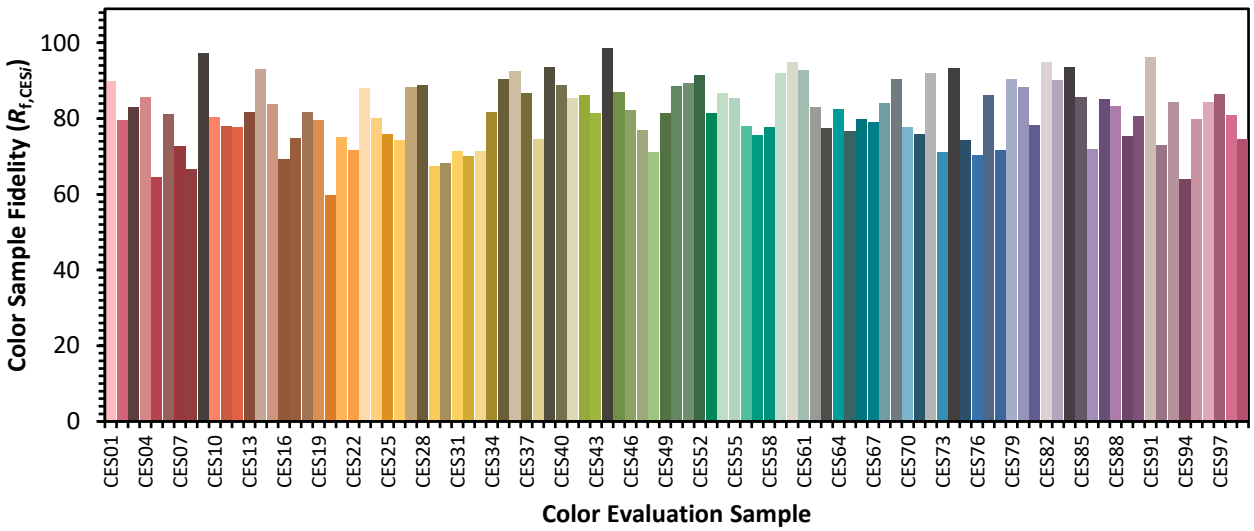


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Individual Sample Fidelity Index ($R_{f,i}$)

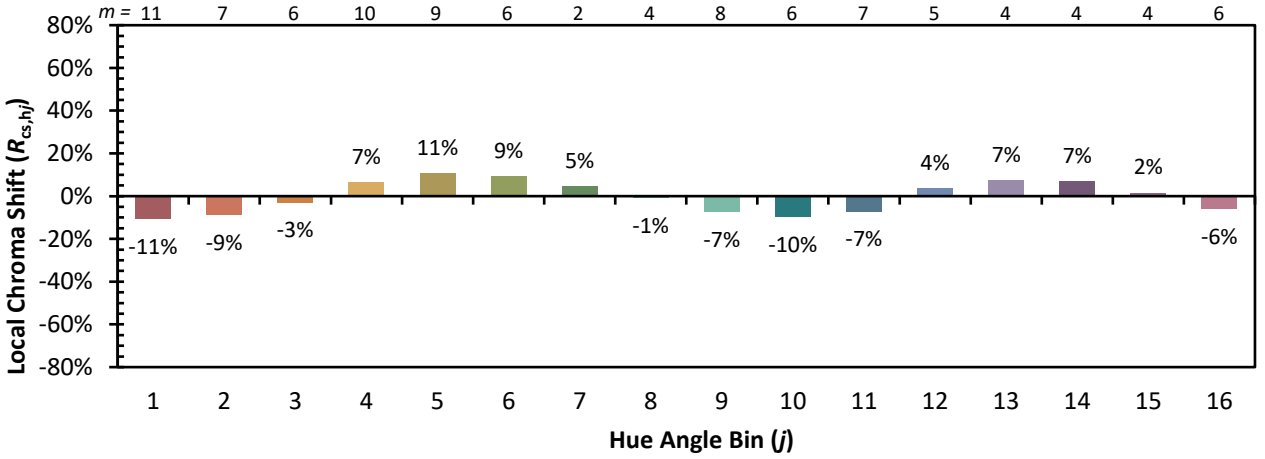
CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	

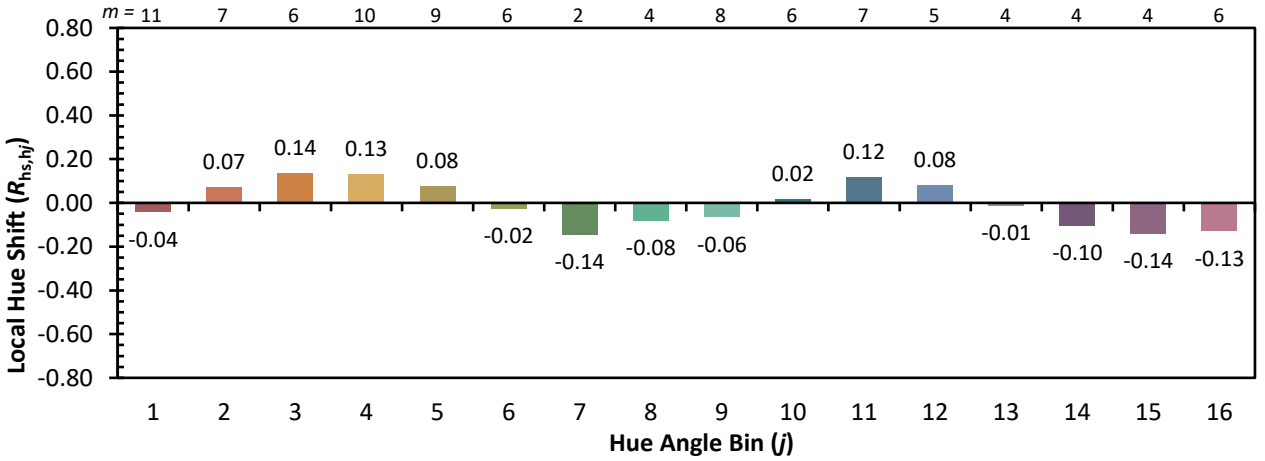


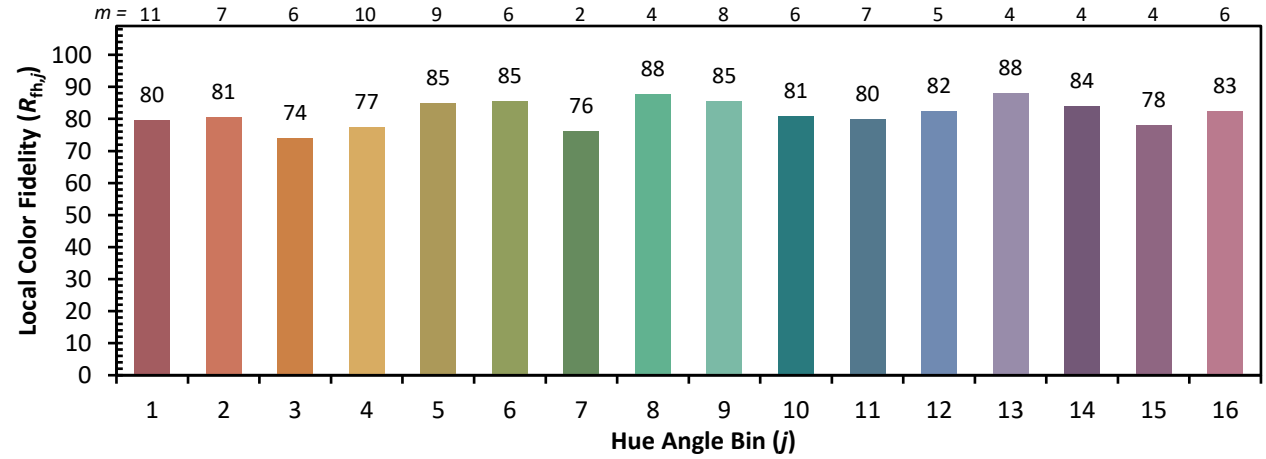
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Color Rendition by Hue-Angle Bin



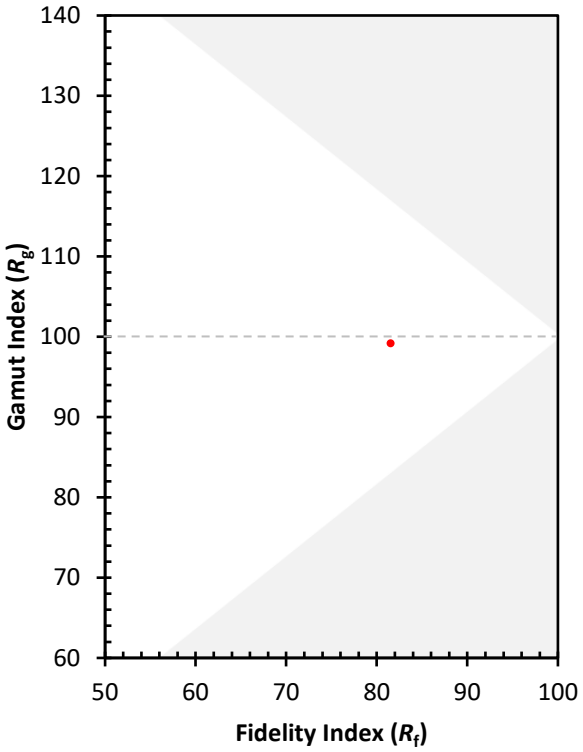


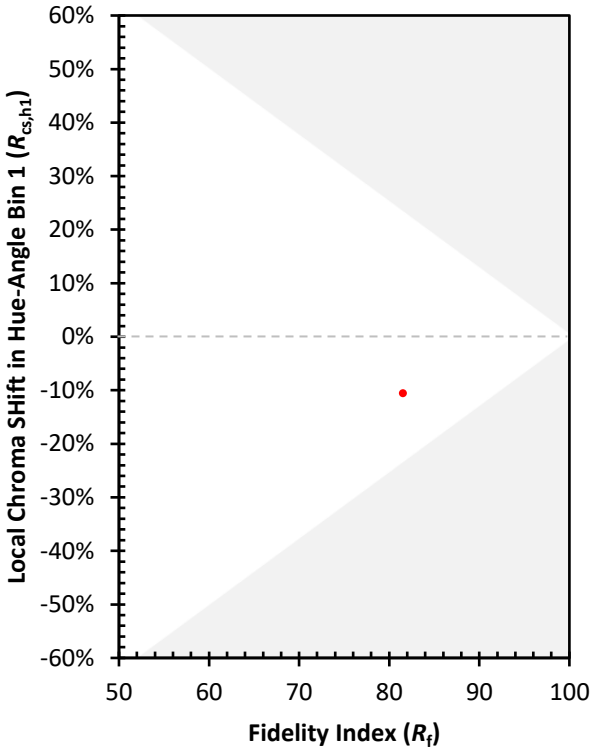


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Measure Comparisons





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